

## VIBRIO PAXILLIFER.



### CHARACTER GENERICUS.

*Vermis* nudo oculo inconspicuus, simplicissimus, teres, elongatus.

*Lin. Syst. Nat.* Gmel. p. 3898.

### CHARACTER SPECIFICUS, &c.

VIBRIO flavescens, paleis gregariis multifariam ordinatis.

*Müll. an. inf.* p. 54. t. 7. f. 3—7.

Baccillaria paradoxa.

*Lin. Syst. Nat.* Gmel. p. 3903.

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Cum de hac specie accurate differuit Dominus Müller, descriptionem ab illo contextam in opus meum transferre non dubitavi.

“Animalculum, vel congeries animalculorum mirabilis. Pluries in guttulis aquæ marinæ vidi corpuscula linearia flavescencia (solitaria paleas, in quadrangula disposita scobes referebant) granulaque feminalia qualiscunque vegetabilis diu credidi; demum nocte inter 6 & 7 Octobrem 1781 aspectu filii flavescentis, sese in longum producentis et in breve contrahentis, ac ex his paxillis compositi, obstupectus, novoque phœnomeno gavisus, ejusdem variis evolutionibus incubui.”

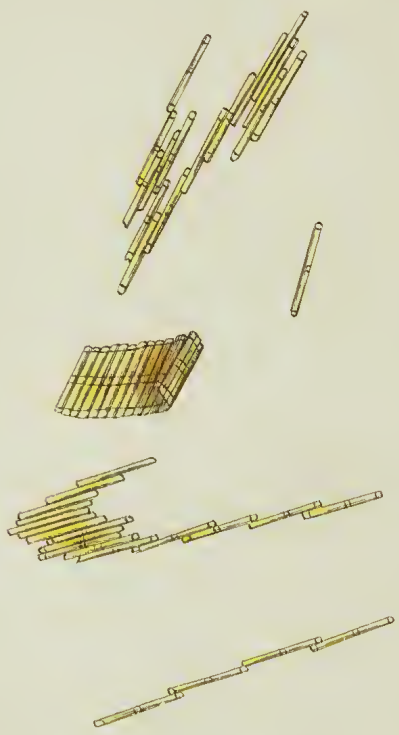
“Paxilli

“ Paxilli nudo oculo inconspicui cute pellucida membranaque intestinali flavescente, punctisque binis aut tribus sparsis constare videntur. Hi numero fenario ad quadragenarium situm quidem variant, at parallelum semper servant, vel quadratum, vel filum strictum, efformantes, aut in ziczac ducti fulminis directionem imitantur, vel filum utraque extremitate quadratum proferens, vel adhuc aliam figuram, oculo sistunt. Bini paxilli (unus in minori numero) a reliquis interdum in angulum rectum, vel acutum, divergunt; omnes membrana dilatabili mutuo coalitos suspicor.

Congeries hæc quadrangulari forma quiescere solet, mortuaque persistit, reliquas vero jam ab hac, jam ab illa, extremitate incipiendo lente efformat.”

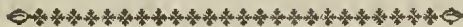
“ In *ulva latissima* copiose, hinc marinus. Totum Octobrem 1781 plures reperi, posthac Septembre 1783 rursus apparuere.”





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THE  
FESTUCINE VIBRIO.



*GENERIC CHARACTER.*

*Animalcule* inconspicuous to the naked eye, simple, cylindrical, elongated.

*SPECIFIC CHARACTER, &c.*

Yellowish VIBRIO, consisting of gregarious filaments variously disposed.

Straw-shaped VIBRIO.

Pipe VIBRIO.

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The celebrated Müller, its first discoverer, informs us that this wonderful animalcule, or rather congeries of animalcules was found in sea water, appearing to consist of certain linear yellowish bodies, which singly represented a kind of filaments, but when disposed into a square, exhibited rather the appearance of small pieces of sawdust, and Mr. Müller for a long time supposed them to be of a vegetable nature. At length, on the 8th of October 1781 he was surprised with the sight of a long yellowish thread of these bodies evidently extending and contracting itself; and pleased at this novel phenomenon, diligently attended to its various evolutions. The  
straws

draws or filaments, which are scarce observable to the naked eye, seem, when microscopically surveyed, to consist of a pellucid skin, and a membranaceous yellowish intestine, with two or three scattered points or granules. These bodies, to the number of from six to forty, vary their position, but always preserve their parallelism; forming themselves either into a square, an extended thread or line, a zigzag or interrupted line, or other different figures. Sometimes one of the filaments diverges from the rest, either at a right or an acute angle, and where the group consists of but few filaments, two will sometimes diverge in the same manner, and Mr. Müller supposes that all the filaments are connected by means of an extensile membrane. The congeries or general heap rests in a square form, and remains thus when dead, but forms others, which proceed slowly sometimes from one, and sometimes from the other extremity. Mr. Müller observed this animalcule in plenty on some specimens of the *Ulva latissima*, in October, 1781, and again in 1783.